

ENERGY AND ENVIRONMENT CABINET

Department for Environmental Protection

Division of Waste Management

(Amendment)

401 KAR 42:020. UST system requirements, notification, registration, and annual fees~~[Systems: design, construction, installation, and registration].~~

RELATES TO: KRS 224.1[224.01], 224.10, 224.60, 401 KAR Chapter 31, 10 C.F.R. Part 50[Chapter 322, Chapter 322A,] 40 C.F.R. Part 280, Subparts A, B, C, D, G, H, and I, Part 281, Subpart D,~~[Subpart B]~~ 42 U.S.C. 2011 – 2021, 2022 – 2286i, 2296a – 2297h-13, 6991 – 6991m[6991e, 6991e, 6991k]

STATUTORY AUTHORITY: KRS 224.10-100, 224.60-105, 224.60-150, 42 U.S.C. 6991 – 6991m~~[6991e, 6991k]~~

NECESSITY, FUNCTION, AND CONFORMITY: KRS 224.10-100 requires the cabinet to develop and conduct programs that provide for the prevention, abatement, and control of contaminants that may threaten the environment. KRS 224.60-105 requires the cabinet to regulate underground storage tanks (USTs) by requiring registration, minimum construction and performance standards, leak detection, recordkeeping, release reporting, corrective action, closure, financial responsibility, and other requirements to protect public health and the environment. KRS 224.60-105(3) requires the cabinet to establish a regulatory program that implements federal requirements for UST systems. KRS 224.60-150 states that the cabinet shall levy and collect an annual fee of thirty (30) dollars per tank from owners or operators of USTs for the purpose of

funding the administration of the UST Program. KRS 224.10-100(28) authorizes the cabinet to promulgate administrative regulations not inconsistent with the provisions of law administered by the cabinet. This administrative regulation establishes the scope of the UST program, including provisions for exclusions and deferrals, requirements concerning registration, annual fees, delivery prohibition, performance standards, and operation and maintenance of UST systems, requirements for demonstrating financial responsibility for corrective action, compensation of third parties for bodily injury and property damage, and lender liability~~[concerning performance standards, registration, designated compliance managers and UST facility employees, and alternatives for upgrading existing UST systems].~~

Section 1. Applicability, Exclusions, and Deferrals. (1) The requirements of 401 KAR Chapter 42 shall apply to all owners and operators of UST systems, except as provided in subsection (3) of this section.

(2) Requirements for previously excluded field-constructed tanks and airport hydrant fuel distribution systems shall be as established in 40 C.F.R. 280.250 through 280.252, and this administrative regulation.

(3) The following shall be excluded from the requirements of 401 KAR Chapter 42:

(a) UST systems containing wastes identified as hazardous in 401 KAR Chapter 31 and UST systems containing mixtures of hazardous waste and other regulated substances;

(b) UST systems excluded by 40 C.F.R. 280.10(b)(2) through (6);

(c) Exclusions listed in KRS 224.60-100(1)(a) through (i);

(d) UST systems containing radioactive material that are regulated under the Atomic Energy Act of 1954, as amended, 42 U.S.C. §§ 2011 – 2021, 2022 – 2286i, 2296a – 2297h-13;

1 (e) UST systems that are part of an emergency generator system at a nuclear power
2 generation facility licensed by the Nuclear Regulatory Commission and subject to Nuclear
3 Regulatory Commission requirements regarding design and quality criteria, including 10 C.F.R.
4 Part 50; and

5 (f) UST systems used in the operation of heating equipment, boilers, and furnaces, but with
6 a secondary usage as part of an emergency generator system, are excluded if:

7 1. Tank contents are consumed on the premises where stored; and

8 2. The tank stores fuel oil number 1, 2, 4, 5, 6, or residual fuel oil.

9 Section 2. Notification, Registration and Annual Fees. (1) Notification requirements for
10 UST systems shall be as established in KRS 224.60-105, 40 C.F.R. 280.22, and this section.

11 (a) Owners shall submit the UST Notice of Intent to Install Underground Storage Tank or
12 Piping, DWM 4231, to the appropriate Division of Waste Management Regional Office at least
13 fourteen (14) days prior to installation of a UST or an entire piping run, in accordance with Section
14 6(4), to afford a division representative the opportunity to be present during installation.

15 (b) If a division representative fails to be present on the date scheduled for installation, the
16 installation may proceed.

17 (2) Registration of UST systems shall meet the requirements in subsection (1) of this
18 section and as established in this subsection.~~[Registrations. (1)(a)]~~

19 (a) The owner shall submit, to the cabinet, a UST Facility Registration, DWM 4225,~~[Form,~~
20 ~~DEP-7112]~~ for each UST facility within thirty (30) days of bringing a UST system into
21 use~~[operation]~~.

22 (b) The form shall be signed by the owner and operator of the UST system.

1 (3) A corporation or limited liability company, registering as an owner or operator of a
2 UST system, shall be authorized to conduct business in the Commonwealth of Kentucky, hold an
3 active status, and be in good standing, with the Kentucky Secretary of State.

4 ~~(4)(a)(e) The form shall be notarized.~~

5 (2)(a)] Except as established in subsection (5) of this section~~[2 of this administrative~~
6 ~~regulation]~~, the owner shall submit to the cabinet an amended UST Facility Registration, DWM
7 4225~~[Form, DEP 7112]~~ within thirty (30) days of any change to information contained within the
8 most recently submitted UST Facility Registration~~[Form]~~.

9 (b) The form shall be signed by the owner and operator of the UST system.

10 ~~(5)(e) The form shall be notarized.~~

11 ~~(3) An amended UST Facility Registration Form, DEP 7112 shall be submitted for a UST~~
12 ~~system being placed into temporary closure for more than six (6) months.~~

13 (4)] An unregistered UST system discovered during permanent closure activities conducted
14 in accordance with 401 KAR 42:060,~~[42:070]~~ shall be listed on the UST Closure Assessment
15 Report Checklist, incorporated by reference in 401 KAR 42:060 in lieu of an amended UST
16 Facility Registration~~[42:070]~~.

17 ~~(6)(5) With the exception of unregistered UST systems discovered during permanent~~
18 ~~closure activities in accordance with subsection (1) of this section.~~

19 ~~Section 2. Change of Address for UST Owner.]~~ An owner shall notify the cabinet within
20 thirty (30) days of an address change by~~[one (1) of the following]~~:

21 (a)~~(1)~~] Submittal of an amended UST Facility Registration, DWM 4225~~[Form, DEP~~
22 ~~7112]~~; or

1 (b)(2) Submittal of a UST Facility Owner Address Correction, DWM 4224~~[an Address~~
2 ~~Change Form for Owners of UST Systems, DEP 0060]~~.

3 ~~(7)[Section 3. Changes of Ownership. (1)]~~ If ownership of a UST system changes, the
4 requirements established in this subsection shall be met.

5 (a) The new owner shall complete and submit an amended and~~[,]~~ signed~~[, and notarized]~~
6 UST Facility Registration, DWM 4225~~[Form, DEP 7112,]~~ to indicate the new ownership. The
7 form shall include the previously assigned~~[previously assigned]~~ agency interest number and shall
8 be submitted to the cabinet within thirty (30) days after the transaction.

9 (b) The new owner shall maintain a copy of the properly executed deed or other properly
10 executed legal document necessary to support the transfer of the UST system and submit to the
11 cabinet if requested.

12 (c) Upon the sale of a UST system, the previous owner~~(2) If an owner sells a UST system,~~
13 ~~the seller]~~ shall[:

14 ~~(a)]~~ advise the new owner of the obligation to submit an amended~~[,]~~ and signed~~[, and~~
15 ~~notarized]~~ UST Facility Registration, DWM 4225~~[Form, DEP 7112]~~, to the cabinet that indicates
16 the change in ownership~~[; and~~

17 ~~(b) Submit to the cabinet, within thirty (30) days after the transaction, a copy of the properly~~
18 ~~executed deed or other mutually executed legal document supporting the sale of the UST system,~~
19 ~~along with a letter indicating the UST facility name as registered with the cabinet, the UST facility~~
20 ~~location, and the agency interest number].~~

21 ~~(8)[Section 4. Issuance of a Certificate of Registration and Reimbursement~~
22 ~~Eligibility.]~~Upon a determination by the UST Branch~~[cabinet]~~ that the UST Facility Registration,
23 DWM 4225~~[Form, DEP 7112]~~, is complete and accurate, and the requirements of subsection (9)

1 of this section are met, a written approval letter shall be issued by the UST Branch~~[the cabinet~~
2 shall issue a Certificate of Registration and Reimbursement Eligibility, DEP 7113].

3 (9) Annual fees for each tank that is in the ground, and not permanently closed in
4 accordance with 401 KAR 42:060, on July 1 of a year (July 1 through June 30), shall be as
5 established in KRS 224.60-150 and:

6 (a) The owner or operator of a UST shall pay a thirty (30) dollar annual fee for each tank
7 in the ground on July 1 of that year (July 1 through June 30);

8 (b) Payment shall be made according to instructions on the invoice from the cabinet
9 specifying the required payment;

10 (c) Payment shall be made thirty (30) days from the date on the invoice from the cabinet
11 specifying the required payment;

12 (d) Payments submitted by check shall be made payable to the Kentucky State Treasurer;

13 (e) Annual fees shall not be due for years prior to the one (1) beginning July 1, 1990; and

14 (f) Annual fees shall not be required for an unregistered tank newly discovered during
15 permanent closure activities conducted in accordance with 401 KAR 42:060.

16 Section 3. Temporary Closure. (1) If a UST system, or compartment of a multi-
17 compartment tank, is in temporary closure, the owner and operator shall continue operation and
18 maintenance of corrosion protection and UST system release detection, in accordance with this
19 section.

20 (a) If a UST system or compartment of a multi-compartment tank, is empty, the following
21 operation and maintenance requirements shall not be required:

22 1. UST system release detection in accordance with Section 15; and

23 2. Walkthrough inspections in accordance with Section 17.

1 (b) Spill and overfill operation and maintenance testing and inspections shall not be
2 required in accordance with Sections 8 and 9.

3 (2) In addition to the requirements of subsection (1) of this section, if a UST system, or
4 compartment of a multi-compartment tank, is in temporary closure for more than three (3) months,
5 the owners and operators shall:

6 (a) Leave vent lines open and functioning; and

7 (b) Cap and secure all other lines, pumps, man ways, and ancillary equipment.

8 (3) An amended UST Facility Registration, DWM 4225, shall be submitted in accordance
9 with Section 2(4).

10 (4) If a UST system is in temporary closure for more than twelve (12) months, and does
11 not meet the requirements of subsections (1), (2), and (3) of this section, the owner and operator
12 of the UST system shall:

13 (a) Perform permanent closure in accordance with 401 KAR 42:060; or

14 (b) Request an extension of temporary closure in accordance with Section 22 and perform
15 an assessment in accordance with Section 4.0 of the UST Corrective Action Manual, incorporated
16 by reference in 401 KAR 42:060.

17 (5) If a UST system is in temporary closure for more than twelve (12) months, and meets
18 the performance standards for corrosion protection, spill containment and overfill prevention, and
19 release detection in accordance with this administrative regulation, the owner and operator shall
20 conduct tank and piping tightness tests on the temporary closure tanks and piping, prior to returning
21 the UST system into use.

22 ~~Section 4[5. Notification Requirements. Requirements for notification shall be as~~
23 ~~established in 40 C.F.R. 280.22.~~

~~Section 6. Notice and Verification of Installation of Underground Storage Tank and Piping.~~

~~(1)(a) Owners shall submit the Notice of Intent to Install Underground Storage Tank or Piping, DEP 8044, to the appropriate Division of Waste Management Regional Office at least fourteen (14) days prior to installation of an underground storage tank or an entire piping run to afford the division representative the opportunity to be present during installation.~~

~~(b) If a division representative fails to be present on the date scheduled for installation, the installation may proceed.~~

~~(2) After April 1, 2012, owners and operators shall submit a Verification and Compatibility Form, DEP 7115, to the cabinet within thirty (30) days after bringing a UST system, tank, or entire piping run into operation.~~

~~Section 7. Operational Training Requirements. (1) An owner of a UST system registered, but not permanently closed, with the USTB prior to June 8, 2012 shall designate at least one (1) individual, who shall be trained in accordance with subsections (5) and (6) of this section by August 8, 2012, as the primary designated compliance manager (DCM) for the registered UST system.~~

~~(2) An owner of a UST system registered, but not permanently closed, on or after June 8, 2012 shall designate at least one (1) individual who shall be trained in accordance with subsections (5) and (6) of this section within sixty (60) days of registration, as the primary designated compliance manager (DCM) for the registered UST system.~~

~~(3) If the primary DCM no longer holds DCM status, the owner shall, within thirty (30) days, designate another individual as primary DCM who shall obtain training in accordance with subsections (5) and (6) of this section within thirty (30) days of designation. An owner:~~

1 ~~(4)(a) Shall designate a primary DCM who may receive compliance related correspondence~~
2 ~~from the Underground Storage Tank Branch. An owner:~~

3 ~~1. May designate themselves as the primary DCM; or~~

4 ~~2. May designate another individual as the primary DCM; and~~

5 ~~(b) May designate multiple individuals as an associate DCM for a UST system.~~

6 ~~(5) Except as provided in this subsection, operational training, in accordance with this~~
7 ~~administrative regulation, shall be accomplished through use of the cabinet training system.~~
8 ~~Individuals unable to use or access the cabinet training system shall contact the Underground~~
9 ~~Storage Tank Branch for alternate designation and operational training procedures.~~

10 ~~(6) Through completion of operational training in accordance with subsection (5) of this~~
11 ~~section, a DCM shall demonstrate an in-depth understanding of:~~

12 ~~(a) UST system operation, maintenance, inspection, and testing requirements including, at~~
13 ~~a minimum: UST system spill prevention, overfill prevention, release detection, secondary~~
14 ~~containment, corrosion protection, product compatibility, and notification requirements as~~
15 ~~applicable to the current configuration of the UST system in accordance with this administrative~~
16 ~~regulation and 401 KAR 42:030, and 42:040;~~

17 ~~(b) UST system recordkeeping requirements in accordance with 401 KAR 42:030 and~~
18 ~~42:040;~~

19 ~~(c) UST system release reporting, release response, temporary closure, permanent closure,~~
20 ~~initial abatement, and financial responsibility requirements in accordance with 401 KAR 42:050,~~
21 ~~42:060, 42:070, and 42:090;~~

22 ~~(d) All relevant equipment and its compliance with performance standards in accordance~~
23 ~~with 401 KAR 42:030 and 42:040;~~

~~(e) Requirements for delivery prohibition in accordance with 401 KAR 42:045; and~~

~~(f) UST facility employee training requirements in accordance with Section 8 of this administrative regulation.~~

~~(7) The owner shall ensure that the primary DCM successfully repeat the training annually, within twelve (12) months of the most recent training date.~~

~~Section 8. UST Facility Employee Training Requirements. (1) The owner or operator shall ensure that all employees associated with the operation of the UST system receive training, by August 8, 2012 and every twelve (12) months thereafter, in the following areas:~~

~~(a) Response to an equipment alarms;~~

~~(b) Fire extinguisher operation;~~

~~(c) Spill and overfill response;~~

~~(d) Threat to the public or to the environment caused by spills or releases;~~

~~(e) Emergency shut-off procedures; and~~

~~(f) Contact telephone numbers in response to emergencies caused by a release or a threatened release from a UST system.~~

~~(2) The owner or operator shall maintain a list of all employees trained in accordance with this administrative regulation. The owner or operator shall maintain written records of all training documentation supplied to UST facility employees and shall make those records available to the cabinet upon request.~~

~~Section 9]. Performance Standards for New UST Systems. (1) Performance standards for new UST systems shall be as established in 40 C.F.R. 280.20, the UST System Installation and Maintenance Manual, and this section.]; and]~~

~~(2) Noncorrodible piping shall be as established in this subsection.~~

1 (a) All underground noncorrodible piping installed on or after April 1, 2012, shall meet or
2 exceed the standard for safety established by Underwriters Laboratories Inc. in Standard for
3 Nonmetallic Underground Piping for Flammable Liquids - UL 971, as referenced in the note to 40
4 C.F.R 280.20(b)(1).

5 (b) The owner and operator shall ensure repairs to noncorrodible piping are performed in
6 accordance with Section 13, or permanently close noncorrodible piping in accordance with Section
7 4.0 of the UST Corrective Action Manual, incorporated by reference in 401 KAR 42:060, if the
8 piping exhibits any of the conditions identified in UST Systems: Inspecting and Maintaining
9 Sumps and Spill Buckets, EPA 510-R-05-001.

10 (3) The owner and operator shall submit a UST System Compatibility Verification, DWM
11 4234, in accordance with Section 12.~~[In addition to the performance standards in subsection (1) of~~
12 ~~this section, UST systems installed after April 1, 2012 shall meet the performance standards of~~
13 ~~Section 11 of this administrative regulation.]~~

14 Section 5~~[10]~~. Upgrading of Existing UST Systems. Upgrading requirements for existing
15 UST systems shall be as established in 40 C.F.R. 280.21 and this section, except:[-]

16 (1) Interior lining shall not be an acceptable method of corrosion protection; and

17 (2) All interior lined steel tanks that had not, as of December 22, 2013, been upgraded with
18 impressed current corrosion protection shall be permanently closed immediately in accordance
19 with 401 KAR 42:060.

20 Section 6~~[14]~~. Double Walled~~[Double-Walled]~~ Tanks and Piping Requirements. (1)
21 Requirements for double walled tanks and piping shall be as established in 40 C.F.R. 280.20 and
22 the performance standards of this section.

(2) All UST systems installed, or UST systems changing from storage of a non-regulated substance to storage of a regulated substance, on or after April 1, 2012, shall be designed and manufactured to meet the~~[with double-walled]~~ construction~~[and shall meet the]~~ requirements in the UST System Installation and Maintenance Manual~~[Outline]~~, including continuous electronic interstitial monitoring.

(3)~~(2)~~ All existing single walled~~[single-walled]~~ piping shall be permanently closed in accordance with 401 KAR 42:060~~[42:070]~~ if an associated tank~~[UST]~~ is permanently closed.

(4)~~(3)~~ Owners and operators shall replace an entire piping run with double walled~~[install double-walled]~~ piping in accordance with the UST System Installation and Maintenance Manual~~[Outline]~~ if fifty (50)~~[100]~~ percent or more of the~~[of a]~~ piping run, extending from the tank to the farthest dispenser or other end-use equipment, excluding connectors, is replaced.

(5)~~(4)~~ Newly installed piping that is associated with a newly installed UST system dispenser, located in an area where a UST system dispenser did not previously exist, shall be designed and manufactured with double walled~~[double-walled]~~ construction and shall meet the requirements in the UST System Installation and Maintenance Manual~~[Outline]~~.

(6)~~(5)~~ An existing tank shall~~[may]~~ be removed and reinstalled if:

(a) the tank meets the requirements of the UST System Installation and Maintenance Manual~~[Outline]~~;

~~(b) The tank is inspected and tested by the equipment's manufacturer prior to being reinstalled; and~~

~~(c) The owner or operator provides a written certification from the manufacturer that the tank is suitable for reinstallation].~~

1 (7) All tanks or piping installed, or UST systems changing from storage of a non-regulated
2 substance to storage of a regulated substance on or after January 4, 2019, shall meet the
3 requirements in Section 4 and the UST System Installation and Maintenance Manual.

4 (8) Newly installed piping used to siphon two (2) tanks together shall meet the
5 requirements in the UST System Installation and Maintenance Manual.

6 Section 7. Emergency Shutoff Valves (Shear Valves). (1) Shear valve requirements shall
7 be as established in 40 C.F.R. 280.20(d) and this section.

8 (2) All pressurized piping systems that connect tanks to dispensers shall be installed with
9 shear valves for each supply line at the base of each dispenser.

10 (3) The shear valves shall be rigidly anchored to the dispenser island or another appropriate
11 anchoring point in a manner that allows the shear valve to close automatically in the event of
12 significant impact to a dispenser.

13 (4) A shear valve found to be defective, inoperable, leaking, not functioning as designed
14 by the manufacturer, or not rigidly anchored shall be immediately replaced or repaired in
15 accordance with Sections 4 and 13.

16 Section 8. Spill Containment Devices (Spill Buckets and Catch Basins). (1) Requirements
17 for spill buckets and catch basins shall be as established in 40 C.F.R. 280.20(c), 280.30, 280.35
18 and this section.

19 (2) Owners and operators shall not allow regulated substances, liquids, or debris to
20 accumulate in a spill containment device. Owners and operators shall immediately remove all
21 liquid accumulations and debris from a spill containment device.

1 (3) All spill containment devices installed on or after April 1, 2012, shall be double walled,
2 liquid-tight, compatible with the substance being stored in the tank, and installed in accordance
3 with the manufacturer's instructions.

4 (4) All double walled spill containment devices installed on or after April 1, 2012, shall be
5 tested at installation, and every thirty-six (36) months thereafter, for liquid-tightness using a test
6 method approved by the double walled spill containment device's manufacturer, a code of practice
7 developed by a nationally recognized association or independent testing laboratory, or a method
8 approved by the cabinet.

9 (5) All single walled spill containment devices, and all double walled spill containment
10 devices installed prior to April 1, 2012, shall be initially tested no later than October 13, 2018, and
11 every thirty-six (36) months thereafter, for liquid-tightness using a test method approved by the
12 spill containment device's manufacturer, a code of practice developed by a nationally recognized
13 association or independent testing laboratory, or a method approved by the cabinet.

14 (6) The thirty-six (36) month testing requirements for double walled spill containment
15 devices established in subsections (4) and (5) of this section shall not be required if the spill
16 containment device interstice is monitored at least every thirty (30) days and is documented as
17 follows:

18 (a) For electronic devices capable of printing sensor readings, owners and operators shall
19 obtain a record, at least once every thirty (30) days; or

20 (b) For devices not capable of printing sensor readings, a monthly log shall be maintained
21 and documented on the UST Visual Interstitial Log, DWM 4236.

1 (7) The thirty-six (36) month testing requirement established in subsections (4) and (5) of
2 this section shall be conducted within thirty (30) days of the requirements of subsection (6) of this
3 section no longer being met.

4 (8) The test for liquid-tightness shall be documented on the UST Containment Device Test,
5 DWM 4222.

6 (a) Failing test results shall be submitted to the UST Branch within seven (7) days of the
7 test date.

8 (b) Passing test results shall be submitted to the UST Branch within thirty (30) days of the
9 test date.

10 (9) Owners and operators shall ensure immediate replacement or repair of a damaged,
11 defective, or leaking spill containment device in accordance with Sections 4 and 13.

12 Section 9. Overfill Prevention Requirements. (1) Except as established in this section,
13 overfill prevention device requirements shall be as established in 40 C.F.R. 280.20(c), 280.30, and
14 280.35.

15 (2) All overfill prevention devices installed on or after April 1, 2012, shall be installed in
16 an extractable fitting to allow for inspection, maintenance, and testing of the device.

17 (3) Flow restrictors, also known as ball floats, shall not be an approved method for overfill
18 prevention for UST systems installed after January 4, 2019.

19 (4) All overfill prevention devices shall be accessible for testing, shall be tested to ensure
20 that overfill prevention equipment is set to activate at the correct levels, and will activate when a
21 regulated substance reaches that level. Overfill prevention devices shall be tested using a method
22 approved by the device's manufacturer, a code of practice developed by a nationally recognized
23 association or independent testing laboratory, or a method approved by the cabinet.

1 (5) All overfill prevention devices installed prior to January 4, 2019, shall be initially tested
2 prior to October 13, 2018, and every thirty-six (36) months thereafter.

3 (6)(a) All flow restrictors, also known as ball floats, shall be removed and physically
4 inspected to verify the ball and cage are intact and functioning properly by October 13, 2018. If
5 this equipment is not functioning properly, the ball float shall be replaced with another form of
6 overfill prevention in accordance with subsection (4) of this section.

7 (b) If the flow restrictor, also known as ball floats, cannot be evaluated in accordance with
8 paragraph (a) of this subsection, an automatic shutoff device or a high level alarm, set to activate
9 at ninety (90) percent capacity, shall be installed as a replacement of the existing ball float.

10 (7) All newly installed overfill prevention devices shall be tested at installation and every
11 thirty-six (36) months thereafter.

12 (8) The overfill prevention device test shall be documented on the UST Overfill Prevention
13 Device Test, DWM 4232.

14 (a) Failing test results shall be submitted to the UST Branch within seven (7) days of the
15 test date.

16 (b) Passing test results shall be submitted to the UST Branch within thirty (30) days of the
17 test date.

18 Section 10[12]. Under-Dispenser Containment (UDC) and Sump Requirements[Sumps].
19 (1) Requirements for UDC and sumps shall be as established in 40 C.F.R. 280.20, 280.35 and this
20 section.

21 (2) A UST system dispenser installed, on or after[Beginning] April 1, 2012,[all newly
22 installed UST system dispensers,] located in an area where a UST system dispenser did not
23 previously exist, shall have liquid-tight UDC installed in accordance with this

1 section~~[administrative regulation]~~ and the UST System Installation and Maintenance
2 Manual~~[Outline]~~.

3 (3)~~[(2)]~~ If equipment below the shear valve used to connect an existing UST system
4 dispenser to the piping is replaced in conjunction with a dispenser replacement~~[on or after April~~
5 ~~1, 2012]~~, liquid-tight UDC shall be installed or existing equipment shall meet the requirements of
6 this section~~[in accordance with this administrative regulation]~~ and the UST System Installation
7 and Maintenance Manual~~[Outline]~~.

8 (4)~~[(3)]~~ A UDC or sump~~[All sumps]~~ containing product piping, installed, or replaced~~[in~~
9 ~~conjunction with a UST system installed]~~ on or after April 1, 2012, shall meet the liquid-tight
10 containment requirements in the UST System Installation and Maintenance Manual~~[Outline]~~.

11 ~~[(4) If replaced, a sump installed in accordance with subsection (3) of this section shall~~
12 ~~meet the liquid-tight containment requirements in the UST System Installation and Maintenance~~
13 ~~Outline.]~~

14 (5) Owners or operators shall maintain written records of all installations of UDC and
15 sumps~~[and UDC]~~, installed after April 1, 2012, for the operating life of the UDC or sump~~[or UDC]~~.
16 These records shall be made available to the cabinet upon request.

17 (6) If a UDC or sump sensor monitoring device detects the presence of a liquid, the owner
18 and~~[or]~~ operator shall ensure that the UDC or sump is immediately inspected.

19 (7) The requirements in Section 1 of 401 KAR 42:060 shall be met if a measureable layer
20 of free product is discovered within a UDC or sump.

21 (8) Free product shall be recovered, and disposed of properly, in accordance with KRS
22 Chapter 224.

1 (9) If liquid, other than free product, is discovered within a UDC or sump, the UDC or
2 sump shall be further inspected to determine the source of liquid infiltration, the liquid removed,
3 and the UDC or sump repaired as necessary.

4 (10) UDC and sumps installed on or after April 1, 2012, shall be tested for liquid-tightness
5 at installation and at least thirty-six (36) months thereafter. To verify liquid-tightness, UDC and
6 sumps shall be tested using a method approved by the device's manufacturer, a code of practice
7 developed by a nationally recognized association or independent testing laboratory or a method
8 approved by the cabinet.

9 (11) Double walled UDC and sump testing required every thirty-six (36) months, in
10 accordance with subsection (10) of this section, shall not be required if the UDC or sump interstice
11 is monitored at least every thirty (30) days and is documented as follows:

12 (a) For electronic devices capable of printing sensor readings, owners and operators shall
13 obtain a record, at least once every thirty (30) days; or

14 (b) For a device not capable of printing sensor readings, a monthly log shall be maintained
15 and documented on the UST Visual Interstitial Log, DWM 4236.

16 (12) The thirty-six (36) month testing required in subsection (10) of this section shall be
17 conducted within thirty (30) days of the requirements of subsection (11) no longer being met.

18 (13) The liquid-tightness test shall be documented on the UST Containment Device Test,
19 DWM 4222.

20 (a) Failing test results shall be submitted to the UST Branch within seven (7) days of the
21 test date.

22 (b) Passing test results shall be submitted to the UST Branch within thirty (30) days of the
23 test date.

1 ~~[(a)1. If free product is discovered within a sump, a suspected release shall be reported in~~
2 ~~accordance with 401 KAR 42:050; and~~

3 ~~2. Free product shall be recovered and disposed of properly in accordance with KRS~~
4 ~~Chapter 224;~~

5 ~~(b) If liquid, other than free product, is discovered within a sump, the sump shall be further~~
6 ~~inspected to determine the source of liquid infiltration and repaired as necessary.]~~

7 Section 11[13]. Corrosion Protection Operation and Maintenance[Emergency Shutoff
8 Valves]. (1) Requirements for operation and maintenance of corrosion protection shall be as
9 established in 40 C.F.R. 280.31 and this section[All pressurized piping systems that connect tanks
10 to UST system dispensers shall be installed with emergency shutoff valves for each supply line at
11 the base of each UST system dispenser].

12 (2) UST system components that routinely contain product and are regularly, or
13 intermittently, in contact with soil, water, or backfill, shall be protected from corrosion[The
14 emergency shutoff valves shall be rigidly anchored to the UST system dispenser island or another
15 appropriate anchoring point in a manner that allows the emergency shutoff valve to close
16 automatically in the event of severe impact to a UST system dispenser].

17 (3) Owners or operators with steel tanks or piping that have never had corrosion protection
18 installed in accordance with subsection (2) of this section shall immediately remove all regulated
19 substances, and initiate permanent closure in accordance with 401 KAR 42:060[An emergency
20 shutoff valve found to be defective, inoperable, leaking, not functioning as designed by the
21 manufacturer, or not rigidly anchored shall be immediately repaired or replaced by the owner or
22 operator].

1 (4) A tank or piping that has been left unprotected from corrosion, or that has been
2 inadequately protected from corrosion for over 365 days, shall undergo an integrity assessment on
3 the unprotected tank or piping, conducted by a contractor certified by the State Fire Marshal's
4 Office in accordance with 815 KAR 30:060, utilizing a method certified by an independent third-
5 party evaluator.

6 (a) Documentation of the integrity assessment and results, including the average tank metal
7 thickness, shall be submitted to the cabinet on the UST Integrity Assessment, DWM 4228, within
8 thirty (30) days of the assessment date.

9 (b) If the integrity assessment determines that the average thickness of the steel tank is less
10 than seventy-five (75) percent of the tank's original metal thickness, the steel tank shall be
11 permanently closed in accordance with 401 KAR 42:060.

12 (5) Owners and operators shall ensure that cathodic protection systems and evaluations
13 shall be as established in this subsection.

14 (a) A cathodic protection system evaluation shall be required within one hundred eighty
15 (180) days from the date of installation, repair, or modification of a cathodic protection system and
16 at least every thirty-six (36) months thereafter.

17 (b) If a cathodic protection system fails an evaluation, but the cathodic protection system
18 evaluator determines that the failure may be attributable to adverse physical conditions related to
19 the evaluation, and further determines that the system is otherwise in good working condition, then
20 a reevaluation shall be performed.

21 1. If a reevaluation is performed, it shall be within thirty (30) days of the failing evaluation.

22 2. A reevaluation shall only be performed once for a failed system evaluation.

1 3. If the cathodic protection system fails the reevaluation, then repairs or modifications
2 shall be completed as soon as practicable, but not more than sixty (60) days after the performance
3 of the evaluation.

4 (c) If a cathodic protection system fails the evaluation, and it does not qualify for the thirty-
5 day reevaluation period in paragraph (b) of this subsection, then repairs or modifications shall be
6 completed as soon as practicable, but not more than sixty (60) days after the performance of the
7 evaluation.

8 (d) If a cathodic protection system evaluation result is inconclusive, as a result of
9 inconsistent remote and local potential readings, a corrosion expert shall evaluate the cathodic
10 protection system and make a determination regarding cathodic protection system adequacy for
11 the UST facility as soon as practicable, but not more than sixty (60) days after the performance of
12 the evaluation.

13 (6) Impressed current cathodic protection system requirements shall also meet the
14 requirements established in this subsection.

15 (a) Impressed current cathodic protection system design, or modifications to an impressed
16 current corrosion protection system, shall only be conducted by a person qualified as a corrosion
17 expert.

18 (b) The owner and operator shall complete the UST Rectifier Operational Record for
19 Impressed Current Cathodic Protection Systems, DWM 4233, every sixty (60) days.

20 (c) The form shall be retained by the owner and operator for at least three (3) years and
21 made available to the cabinet upon request.

22 (7) Owners and operators shall maintain written records for the last two (2) cathodic
23 protection evaluations.

1 (8) The owner and operator shall ensure that a cathodic protection tester completes, signs,
2 and submits to the cabinet, the cathodic protection system evaluation within thirty (30) days of the
3 system evaluation. Results of the cathodic protection evaluation shall be documented for:

4 (a) A galvanic cathodic protection system on a UST Galvanic Cathodic Protection
5 Evaluation, DWM 4226; or

6 (b) An impressed current cathodic protection system on a UST Impressed Current Cathodic
7 Protection Evaluation, DWM 4227.

8 (9) A cathodic protection tester shall have completed a third-party corrosion protection
9 tester training, which includes, at a minimum, the following:

10 (a) Basics of corrosion, underground corrosion, and corrosion prevention;

11 (b) Assessing physical conditions for corrosion potential;

12 (c) Hands on field experience in the testing of both impressed current and sacrificial anode
13 systems, which includes using reference cells, taking remote readings for appropriate systems, how
14 to read and understand a rectifier, taking measurements using -850 criterion, and typical and non-
15 typical problems;

16 (d) Review of EPA's regulatory requirements for corrosion protection; and

17 (e) Review of standards and recommended practices from corrosion protection
18 publications, as referenced in the note to 40 C.F.R 280.31(b).

19 (10) Owners or operators shall ensure that individuals, qualified to perform cathodic
20 protection system evaluations in accordance with subsection (8) of this section, submit to the
21 cabinet upon request, documentation verifying that the training requirements have been met.

1 (11) All interior lined steel tanks that had not, as of December 22, 2013, been upgraded
2 with external corrosion protection shall be permanently closed immediately in accordance with
3 401 KAR 42:060.

4 Section 12. Compatibility. (1) Requirements for compatibility shall be as established in 40
5 C.F.R. 280.32, the UST System Installation and Maintenance Manual, and this section.

6 (2) The owner and operator of a UST system installed on or after April 1, 2012 shall submit
7 the UST System Compatibility Verification, DWM 4234, within thirty (30) days of bringing the
8 UST system into use, in order to verify that the UST system is compatible with the regulated
9 substance stored.

10 (3) A UST System Compatibility Verification, DWM 4234, shall be submitted within thirty
11 (30) days of the replacement of a UST system component associated with a UST system installed
12 on or after April 1, 2012, when the UST system component is no longer covered by a previously
13 submitted UST System Compatibility Verification, DWM 4234.

14 (4) A UST System Compatibility Verification, DWM 4234, shall be submitted to the
15 cabinet if the regulated substance stored is no longer covered by a previously submitted UST
16 System Compatibility Verification, DWM 4234.

17 Section 13. Repairs. (1) UST system repairs allowed shall be as established in 40 C.F.R.
18 280.33 and this section.

19 (2) UST system repairs shall be performed by a contractor certified by the State Fire
20 Marshal's Office, in accordance with 815 KAR 30:060.

21 (3) Owners and operators of UST systems shall ensure that repairs shall prevent releases
22 due to structural failure or corrosion.

1 (4) Within thirty (30) days following the date of the completion of a repair to a tank, piping,
2 or UST system component, owners and operators shall:

3 (a) Submit a UST System Compatibility Verification, DWM 4234, in accordance with
4 Section 12; and

5 (b) Conduct a test, adequate to detect a release from the repaired component of the UST
6 system, in accordance with this administrative regulation.

7 Section 14. Noncorrodible[Nonmetallic] Piping. (1) All new or replaced underground
8 noncorrodible[nonmetallic] piping installed after April 1, 2012 shall meet or exceed the Standard
9 for Safety established by Underwriters Laboratories Inc. in Standard for Nonmetallic Underground
10 Piping for Flammable Liquids - UL 971, as referenced in the note to 40 C.F.R. 280.20(b)(1).

11 (2) The owner or operator shall repair noncorrodible[non-metallic] piping in accordance
12 with Section 13[401 KAR 42:030] or permanently close noncorrodible[non-metallic] piping in
13 accordance with 401 KAR 42:060[42:070] if the piping exhibits any of the conditions identified
14 in UST Systems: Inspecting and Maintaining Sumps and Spill Buckets, EPA 510-R-05-001.

15 Section 15. Release Detection. (1) General requirements for petroleum UST systems shall
16 be as established in 40 C.F.R. 280.40, 280.41, 280.42, 280.45, and this section.

17 (2) System integrity tests shall be performed in accordance with a method approved by the
18 device's manufacturer, a code of practice developed by a nationally recognized association or
19 independent testing laboratory or an equally protective method approved by the cabinet. Results
20 shall be submitted for:

21 (a) A line tightness test on a UST Line Tightness Test, DWM 4229;

22 (b) An automatic line leak detector test on a UST Automatic Line Leak Detector
23 Operational Test, DWM 4221;

1 (c) An electronic release detection equipment test on a UST Electronic Release Detection
2 Equipment Test, DWM 4223; and

3 (d) A tank tightness test on a UST Tank Tightness Test, DWM 4235.

4 (3) Owners and operators shall immediately report failing results of a test performed in
5 accordance with subsection (2) of this section to the cabinet as a suspected release in accordance
6 with 401 KAR 42:060, Section 1.

7 (4) All test results shall be documented in accordance with subsection (2) of this section.

8 (a) Failing test results shall be submitted to the UST Branch within seven (7) days of the
9 test date.

10 (b) Passing test results shall be submitted to the UST Branch within thirty (30) days of the
11 test date.

12 (5) Owners and operators shall ensure that tests of tanks and piping for tightness and
13 operational tests of automatic line leak detectors, shall be conducted by a UST system equipment
14 tester.

15 (6) A UST system equipment tester shall meet the following requirements:

16 (a) Uses testing equipment and methods that are certified, as of the time of testing, by an
17 independent third-party evaluator;

18 (b) Has completed a training course conducted or endorsed by the manufacturer of the
19 testing equipment;

20 (c) Maintains training credentials as prescribed by the manufacturer of the testing
21 equipment; and

22 (d) Provides a copy of his or her training credentials to the cabinet upon request; or

23 (e) Another training credential approved by the cabinet.

1 (7) Failure to provide credentials as established in subsection (6) of this section, upon
2 written request from the cabinet, shall render the test results invalid.

3 (8) Methods of release detection for tanks and piping installed prior to April 1, 2012 shall
4 be as established in 40 C.F.R. 280.43(b), (c), (d), (g), (h), and 280.44 and this section.

5 (a) The release detection method shall be certified, as of the time of testing, by an
6 independent third-party evaluator.

7 (b)1. Electronic interstitial monitoring shall be the primary method of release detection for
8 all UST systems installed on or after April 1, 2012, in accordance with the UST System Installation
9 and Maintenance Manual.

10 2. Owners and operators shall only install electronic devices capable of printing sensor
11 readings. Owners and operators shall obtain a record, at least once every thirty (30) days, to verify
12 that release detection is being performed and that releases have not occurred.

13 (c) Tanks and piping installed prior to April 1, 2012, for which the owner and operator
14 have established interstitial monitoring as the primary method of release detection, shall meet the
15 following requirements:

16 1. Owners and operators using electronic devices capable of printing sensor readings shall
17 obtain a record, at least once every thirty (30) days, to verify that release detection is being
18 performed and that releases have not occurred; or

19 2. Owners and operators using devices not capable of printing sensor readings shall
20 maintain a monthly log, which shall be documented on the UST Visual Interstitial Log, DWM
21 4236, to verify that release detection is being performed and that releases have not occurred.

22 (d) For piping installed prior to April 1, 2012 for which the owner and operator have
23 established interstitial monitoring as the primary method of release detection shall meet the

requirements in subsection (c) of this section, and meet the requirements for UDCs and sumps in Section 10.

(e) All release detection records shall be retained for the most recent twelve (12) months, except for the following:

1. Annual operational test results shall be retained for three (3) years; and

2. Tank tightness testing and line tightness testing results shall be retained until the next test is conducted.

(f) All electronic release detection monitoring equipment for UST systems shall be operationally tested every twelve (12) months using a test method approved by the manufacturer, a code of practice developed by a nationally recognized association or independent testing laboratory, or a method approved by the cabinet.

(g) Owners and operators shall not remove, alter, or disable release detection monitoring equipment, required to be maintained under this administrative regulation, in a manner that would render the equipment inaccurate or inoperable.

(9) Except as established in subsection (10) of this section, automatic line leak detectors (ALLD) for all pressurized piping systems shall be:

(a) Performance tested at installation, and every twelve (12) months thereafter, by a qualified individual meeting the requirements of subsection (6) of this section;

(b) Performance tested through simulation of a release at the dispenser located furthest away from the ALLD or at the highest elevation above the ALLD;

(c) Installed within a UST system during the test as it would be during normal use;

(d) For electronic line leak detectors:

1. Tested to verify that the ALLD will shut down the submersible turbine pump (STP);

1 2. Capable of detecting a leak rate equivalent to three (3) gallons-per-hour at ten (10)
2 pounds per square inch of line pressure; and

3 3. Tested to verify that the STP relay switch will not malfunction permanently in the on
4 position, which would prevent the electronic line leak detector from operating properly; and

5 (e) For mechanical line leak detectors:

6 1. Tested to verify that the ALLD is capable of detecting a leak rate equivalent to three (3)
7 gallons-per-hour at ten (10) pounds per square inch of line pressure while reducing the flow; and

8 2. Tested to verify that the STP relay switch will not malfunction permanently in the on
9 position, which would prevent the mechanical line leak detector from operating properly.

10 (10) ALLD for all pressurized piping systems installed for emergency generators shall be
11 as established in 40 C.F.R. 280.44(a).

12 Section 16. Operator Training Requirements. (1) Operator training requirements for UST
13 systems shall be as established in 40 C.F.R. 280 Subpart J and this section.

14 (2) A combined Class A and Class B operator shall meet the requirements of both the Class
15 A operator and the Class B operator as established in 40 C.F.R. 280.242.

16 (3) An owner of a UST system registered, but not permanently closed, prior to January 4,
17 2019, shall immediately designate at least one (1) individual to be trained, within thirty (30) days
18 of designation, as a combined Class A and Class B operator, if such an individual has not
19 previously been designated and trained in accordance with requirements of the cabinet.

20 (4) An owner of a UST system registered, but not permanently closed, on or after January
21 4, 2019, shall within thirty (30) days of registration, designate at least one (1) individual to be
22 trained, within thirty (30) days of designation, as a combined Class A and Class B operator.

1 (5) If an owner of a UST system no longer has a trained combined Class A and Class B
2 operator, the owner shall immediately designate another individual as a combined Class A and
3 Class B operator who shall complete operator training within thirty (30) days.

4 (6) The owner of a UST system shall ensure:

5 (a) A trained combined Class A and Class B operator successfully retrain annually, within
6 twelve (12) months of the most recent training date, unless otherwise directed or approved by the
7 cabinet;

8 (b) An operator training certificate, in accordance with this section, be submitted to the
9 cabinet within thirty (30) days of completion; and

10 (c) An operator trained in accordance with this section, shall submit to the cabinet upon
11 request, documentation verifying that the training requirements have been met.

12 Section 17. Walkthrough Inspections. (1) Except as established in this section,
13 requirements for periodic operation and maintenance walkthrough inspections shall be as
14 established in 40 C.F.R. 280.36.

15 (2) The procedures for walkthrough inspections in the UST System Installation and
16 Maintenance Manual shall be followed.

17 (3) The owner or operator shall ensure the walkthrough inspections are completed by the
18 owner, operator, or a combined Class A and Class B operator as established in Section 16.

19 (4) The monthly walkthrough inspection shall be documented on the UST Monthly
20 Walkthrough Inspection, DWM 4230.

21 (5) The annual walkthrough inspection shall be documented on the UST Annual
22 Walkthrough Inspection, DWM 4220.

1 (6) The annual walkthrough shall include replacing hand held release detection equipment,
2 including tank gauge sticks, if the equipment is damaged or unable to function as originally
3 designed.

4 (7) Walkthrough inspection forms required by subsections (4) and (5) of this section shall
5 be retained for twelve (12) months after the last annual walkthrough inspection completion date.

6 Section 18. Delivery Prohibition. (1) The cabinet shall determine that a UST system is
7 ineligible for delivery, deposit, or acceptance of regulated substances upon confirmation of the
8 following required conditions:

9 (a) Spill prevention equipment is not installed, operational, or maintained;

10 (b) Overfill prevention equipment is not installed, operational, or maintained;

11 (c) Corrosion protection equipment is not installed, operational, or maintained;

12 (d) Release detection is not performed;

13 (e) Release detection equipment is not installed, operational, or maintained;

14 (f) Registration is not submitted or is not amended as necessary;

15 (g) Annual fee is past due by more than one (1) year; or

16 (h) A defective UST system component, confirmed by UST system testing or visual
17 observation by the cabinet, and for which the owner and operator have not documented a repair or
18 replacement, has:

19 1. Caused a release of a regulated substance into the environment; or

20 2. Allowed a regulated substance to infiltrate into the interstitial space or secondary
21 containment of the UST system.

22 (2) If a condition established in subsection (1) of this section exists, the cabinet shall issue
23 a Notice of Violation to the UST system's owner or operator.

1 (3) The Notice of Violation shall serve as notice to the owner or operator of the cabinet's
2 intent to invoke delivery prohibition for the UST system if the violation is not corrected within the
3 time frame established in writing by the cabinet.

4 (4) Upon failure by the owner or operator to correct the violation of a condition established
5 in subsection (1) of this section, cited in the initial Notice of Violation, or to request an extension,
6 in accordance with Section 22, a second Notice of Violation shall be issued.

7 (5) Upon issuance by the cabinet of the second Notice of Violation, delivery prohibition
8 shall be invoked and an authorized representative of the cabinet shall attach a delivery prohibition
9 tag to the non-compliant UST system.

10 (6) An owner and operator shall ensure that a delivery prohibition tag shall not be removed,
11 defaced, altered, or destroyed.

12 (7) An owner and operator shall not allow the delivery, deposit, or acceptance of regulated
13 substances into a UST system for which the cabinet has invoked delivery prohibition, unless
14 otherwise directed in writing by the cabinet for the purpose of UST system testing.

15 (8) An owner and operator shall notify the appropriate product deliverer if delivery
16 prohibition has been invoked.

17 (9) Except as established in subsection (12) of this section, delivery prohibition shall
18 remain in effect until the non-compliant UST system is returned to compliance for the violation
19 that caused delivery prohibition to be invoked.

20 (10) The cabinet shall determine if a UST system is authorized to accept deliveries within
21 two (2) business days (Monday through Friday) of receipt of written notice from the owner or
22 operator that the remedial measures established in the Notice of Violation have been met.

1 (11) If the violation has been corrected, the cabinet shall terminate delivery prohibition and
2 remove an affixed delivery prohibition tag within two (2) business days (Monday through Friday).

3 (12) If the division director or designee determines, in writing, that delivery prohibition at
4 a UST facility would jeopardize the availability of, or access to, motor fuel in a rural and remote
5 area, the cabinet shall defer the application of delivery prohibition for a UST system, with
6 reference to subsection (1) of this section, for a period not to exceed forty-five (45) days unless an
7 extension is approved in accordance with Section 22 by the division director or designee.

8 (13) This administrative regulation shall not apply to a regulated UST used to fuel an
9 emergency backup generator.

10 Section 19. Recordkeeping. Requirements for recordkeeping shall be as established in 40
11 C.F.R. 280.34, 280.45, the UST System Installation and Maintenance Manual, and this
12 administrative regulation.

13 Section 20. Financial Responsibility. (1) Requirements for financial responsibility shall be
14 as established in 40 C.F.R. 280 Subpart H and this section.

15 (2) The Petroleum Storage Tank Environmental Assurance Fund (PSTEAF) shall be
16 utilized as a mechanism to demonstrate financial responsibility in accordance with subsection (1)
17 of this section. The requirements for PSTEAF shall be as established in 401 KAR 42:250.

18 (3) An owner and operator shall certify, through signature on the UST Facility Registration,
19 DWM 4225, that financial responsibility has been established and shall be maintained in
20 accordance with this administrative regulation.

21 Section 21. Lender Liability. Requirements for lender liability shall be as established in 40
22 C.F.R. 280 Subpart I.

Section 22. Extensions. (1) The owner or operator of a UST system shall~~[may]~~ request an extension to a deadline established by this administrative regulation or established by the cabinet in writing pursuant to this administrative regulation.

(2) The extension request shall be submitted in writing and received by the Division of Waste Management prior to the deadline.

(3) The cabinet shall~~[may]~~ grant an extension, if an extension would not have a detrimental impact on human health or the environment.

Section 23~~[16]~~. Incorporation by Reference. (1) The following material is incorporated by reference:

(a) "UST Annual Walkthrough Inspection", DWM 4220, March 2018~~["UST Facility Registration Form", DEP 7112, November 2016];~~

(b) "UST Automatic Line Leak Detector Operational Test", DWM 4221, March 2018~~["Address Change Form for Owners of UST Systems", DEP 0060, November 2016];~~

(c) "UST Containment Device Test", DWM 4222, March 2018~~["Certificate of Registration and Reimbursement Eligibility", DEP 7113, April 2011 and];~~

(d) "UST Electronic Release Detection Equipment Test", DWM 4223, March 2018~~["UST System Installation and Maintenance Outline", November 2016];~~

(e) "UST Facility Owner Address Correction", DWM 4224, March 2018~~["Installation Verification and Compatibility Form", DEP 7115, November 2016];~~

(f) "UST Facility Registration", DWM 4225, March 2018~~["Notice of Intent to Install Underground Storage Tank or Piping", DEP 8044, September 2011];~~

(g) "UST Galvanic Cathodic Protection Evaluation", DWM 4226, March 2018["Standards for Nonmetallic Underground Piping for Flammable Liquids", July 1, 2005, Underwriters Laboratories Inc. UL-971 and];

(h) "UST Impressed Current Cathodic Protection Evaluation", DWM 4227, March 2018;

(i) "UST Integrity Assessment", DWM 4228, March 2018;

(j) "UST Line Tightness Test", DWM 4229, March 2018;

(k) "UST Monthly Walkthrough Inspection", DWM 4230, March 2018;

(l) "UST Notice of Intent to Install Underground Storage Tank or Piping", DWM 4231, March 2018;

(m) "UST Overfill Prevention Device Test", DWM 4232, March 2018;

(n) "UST Rectifier Operational Record for Impressed Current Cathodic Protection Systems", DWM 4233, March 2018;

(o) "UST System Compatibility Verification", DWM 4234, March 2018;

(p) "UST System Installation and Maintenance Manual", March 2018;

(q) "UST Systems: Inspecting and Maintaining Sumps and Spill Buckets", EPA 510-R-05-001, May 2005;

(r) "UST Tank Tightness Test", DWM 4235, March 2018; and

(s) "UST Visual Interstitial Log", DWM 4236, March 2018["UST Systems: Inspecting and Maintaining Sumps and Spill Buckets", EPA 510-R-05-001, May 2005].

(2) This material may be inspected, copied, or obtained, subject to applicable copyright law, at the Division of Waste Management, 300 Sower Boulevard, Frankfort, Kentucky 40601, Monday through Friday, 8:00[8] a.m. to 4:30 p.m. This material may also be obtained at the Division of Waste Management's Web site at <http://waste.ky.gov/ust>.

- 1 (3) The material incorporated by reference in subsection (1)(q) of this section may also be
2 obtained from <http://www.epa.gov>.

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